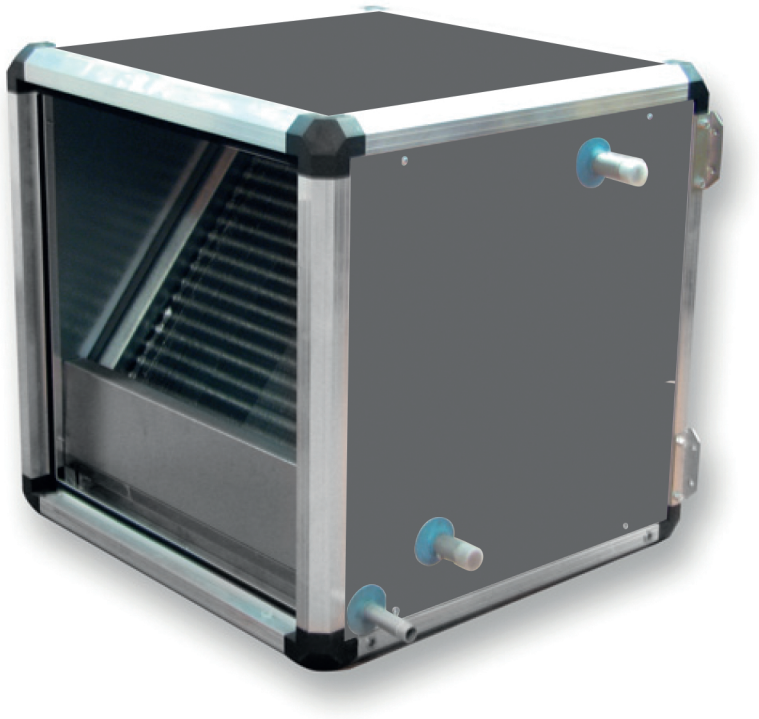


Chilled water module type MVX-BF

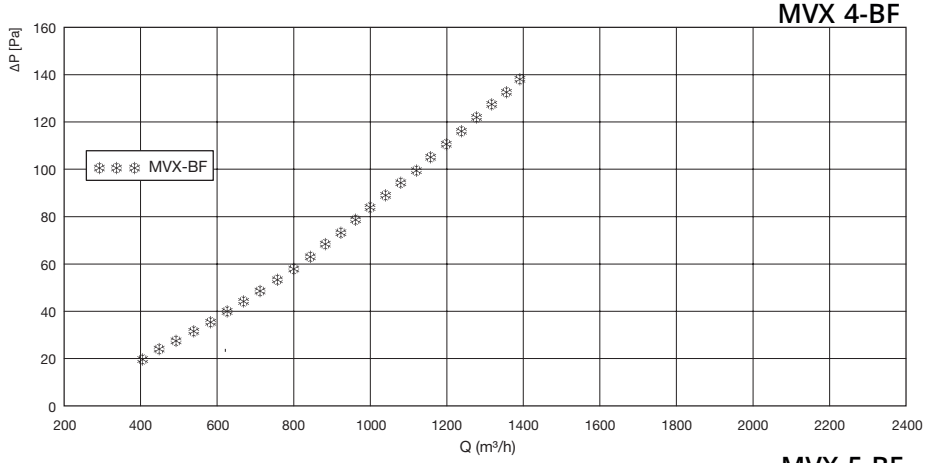
Chilled water module

Composition

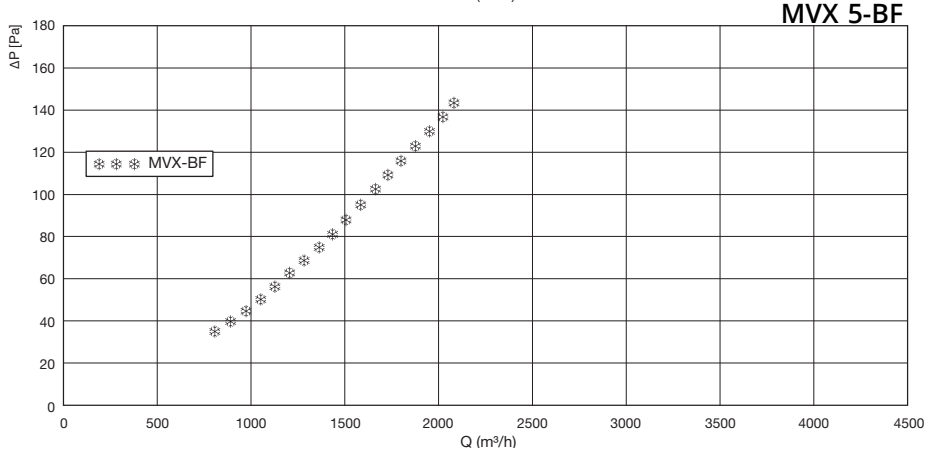
- Coil with copper tubes and aluminum fins
- Hydraulic male piping in steel tube at gas thread
- Purge and empty screw is easily accessible from outside of the module
- Integrated drop separator (separator pressure loss is calculated in the curves)
- Connection : on right (on left on request)
- Position : the module can be fixed horizontaly
- Supplied as a separate component, unmounted; factory mounted upon request
- Outer panel: pre-painted sheet steel (RAL 9007) with protective film

Pressure loss graph

MVX 4-BF

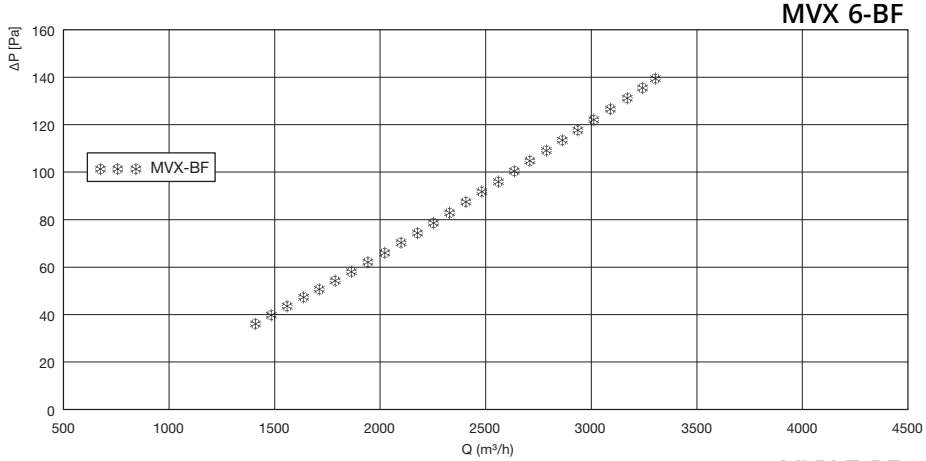


MVX 5-BF

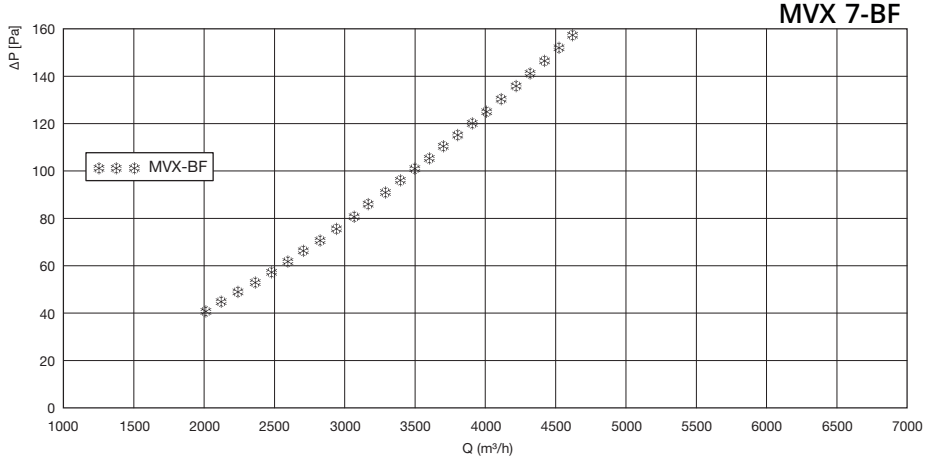


Pressure loss graph

MVX 6-BF

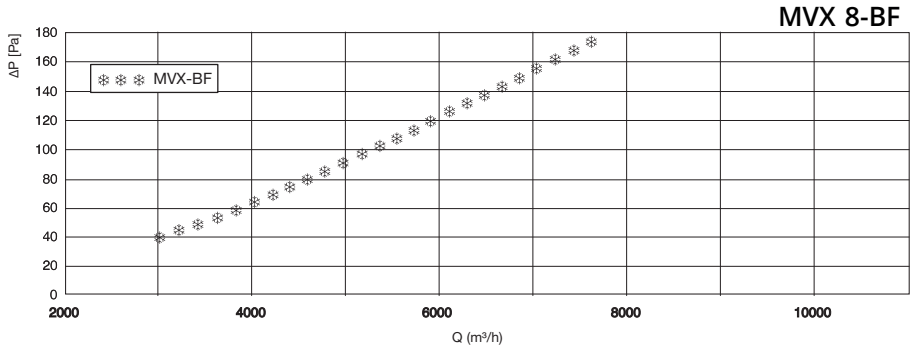


MVX 7-BF

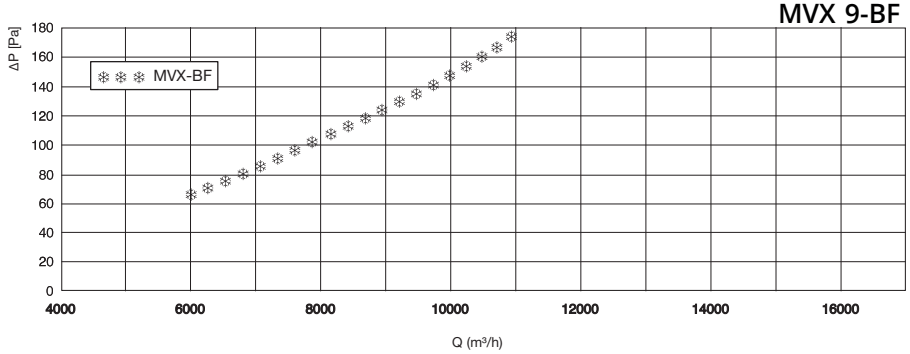


Pressure loss graph

MVX 8-BF

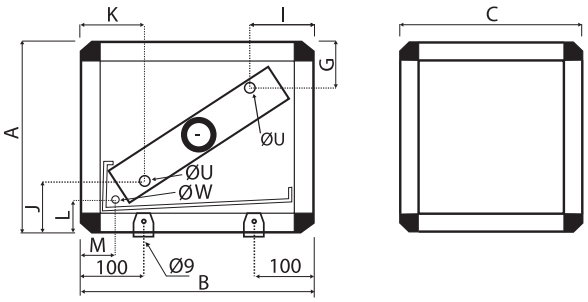


MVX 9-BF



Selection table											
	Twr [°C/°C]	Ta,i/RH [°C/%]	*	Qv,a [m³/h]						
				400	600	800	1000	1200	1400	-
MVX-4 BF	7/12	32/40	P [kW]/ Ta,o - RH [°C - %]	3,39/14,5-82	4,37/16,4-79	5,11/17,7-77	5,67/18,8-75	6,09/19,6-74	6,38/20,3-74	-
			Qv,w [l/h] / Dp,w [kPa]	580/4,8	750/7,5	880/9,9	970/11,8	1040/13,4	1090/14,6	-
		30/50	P [kW]/ Ta,o - RH [°C - %]	3,46/14,4-87	4,51/16,1-84	5,33/17,3-83	5,99/18,2-81	6,52/19-80	6,94/19,6-80	-
			Qv,w [l/h] / Dp,w [kPa]	590/5	770/7,9	910/10,6	1030/13	1120/15,1	1190/16,9	-
		27/50	P [kW]/ Ta,o - RH [°C - %]	2,59/13,9-86	3,3/15,4-83	3,82/16,5-82	4,21/17,3-81	4,5/17,9-80	4,69/18,4-79	-
			Qv,w [l/h] / Dp,w [kPa]	440/3	560/4,6	650/5,9	720/7	770/7,9	800/8,5	-
	Twr [°C/°C]	Ta,i/RH [°C/%]	*	1000	1200	1400	1600	1800	2000	2100
MVX-5 BF	7/12	32/40	P [kW]/ Ta,o - RH [°C - %]	7,33/16,4-78	8,12/17,2-77	8,79/18-76	9,35/18,6-75	9,82/19,1-74	10,2/19,6-74	10,4/19,8-74
			Qv,w [l/h] / Dp,w [kPa]	1260/15,7	1390/18,8	1510/21,6	1600/24,1	1680/26,3	1750/28,2	1780/29
		30/50	P [kW]/ Ta,o - RH [°C - %]	7,58/16,1-84	8,45/16,8-83	9,21/17,5-82	9,87/18,1-81	10,5/18,5-81	11/19-80	11,2/19,2-80
			Qv,w [l/h] / Dp,w [kPa]	1300/16,6	1450/20,2	1580/23,4	1690/26,5	1790/29,3	1880/31,9	1920/33,1
		27/50	P [kW]/ Ta,o - RH [°C - %]	5,6/15,3-83	6,17/16-82	6,65/16,6-81	7,05/17-81	7,39/17,5-80	7,66/17,8-80	7,78/18-79
			Qv,w [l/h] / Dp,w [kPa]	960/9,8	1060/11,6	1140/13,2	1210/14,7	1270/15,9	1310/17	1330/17,4
	Twr [°C/°C]	Ta,i/RH [°C/%]	*	1400	1800	2200	2600	3000	3300	-
MVX-6 BF	7/12	32/40	P [kW]/ Ta,o - RH [°C - %]	10,7/15,9-79	12,4/17,1-77	13,7/18,0-76	14,8/18,8-75	15,7/19,5-74	16,2/19,9-74	-
			Qv,w [l/h] / Dp,w [kPa]	1830/13,6	2120/17,5	2350/21	2530/24	2680/26,5	2770/28	-
		30/50	P [kW]/ Ta,o - RH [°C - %]	11/15,6-85	12,8/16,7-83	14,4/17,6-82	15,7/18,3-81	16,7/18,8-80	17,4/19,2-80	-
			Qv,w [l/h] / Dp,w [kPa]	1890/14,3	2200/18,7	2460/22,8	2680/26,5	2870/29,8	2990/32	-
		27/50	P [kW]/ Ta,o - RH [°C - %]	8,18/15,0-84	9,39/15,9-82	10,4/16,6-81	11,1/17,2-80	11,7/17,7-80	12,1/18,1-79	-
			Qv,w [l/h] / Dp,w [kPa]	1400/8,4	1610/10,8	1770/12,8	1910/14,5	2010/15,9	2070/16,8	-
	Twr [°C/°C]	Ta,i/RH [°C/%]	*	2000	2500	3000	3500	4000	4500	5000
MVX-7 BF	7/12	32/40	P [kW]/ Ta,o - RH [°C - %]	14,9/16,2-79	16,9/17,2-78	18,5/18,0-76	19,9/18,7-75	21/19,4-75	21,8/19,9-74	22,5/20,4-74
			Qv,w [l/h] / Dp,w [kPa]	2550/6,4	2890/8	3170/9,4	3400/10,7	3590/11,8	3740/12,6	3860/13,3
		30/50	P [kW]/ Ta,o - RH [°C - %]	15,3/15,9-85	17,5/16,8-83	19,4/17,6-82	21/18,2-81	22,3/18,8-81	23,5/19,3-80	24,5/19,7-80
			Qv,w [l/h] / Dp,w [kPa]	2620/6,8	3000/8,6	3320/10,2	3590/11,8	3830/13,2	4030/14,4	4200/15,5
		27/50	P [kW]/ Ta,o - RH [°C - %]	11,2/15,2-84	12,6/16-82	13,8/16,7-82	14,7/17,2-81	15,5/17,7-80	16/18,1-80	16,5/18,5-79
			Qv,w [l/h] / Dp,w [kPa]	1920/3,9	2160/4,8	2360/5,6	2520/6,3	2650/6,9	2750/7,3	2820/7,7
	Twr [°C/°C]	Ta,i/RH [°C/%]	*	3000	4000	5000	6000	7000	7800	-
MVX-8 BF	7/12	32/40	P [kW]/ Ta,o - RH [°C - %]	22,3/16,1-79	26,1/17,5-77	29,1/18,5-76	31,4/19,3-75	33,1/22-74	34,1/20,4-74	-
			Qv,w [l/h] / Dp,w [kPa]	3810/4,9	4480/6,5	4990/7,8	5380/8,9	5670/9,8	5840/10,3	-
		30/50	P [kW]/ Ta,o - RH [°C - %]	22,9/15,9-85	27,2/17,1-83	30,6/18-82	33,5/18,8-81	35,7/19,4/80	37,2/19,8-80	-
			Qv,w [l/h] / Dp,w [kPa]	3920/5,1	4660/6,9	5250/8,6	5730/10	6120/11,2	6370/12	-
		27/50	P [kW]/ Ta,o - RH [°C - %]	16,7/15,3-84	19,4/16,3-82	21,5/17,1-81	23/17,7-80	24,1/18,3-80	24,7/18,6-79	-
			Qv,w [l/h] / Dp,w [kPa]	2860/2,9	3330/3,8	3680/4,6	3940/5,2	4130/5,6	4230/5,9	-
	Twr [°C/°C]	Ta,i/RH [°C/%]	*	6000	7000	8000	9000	10000	11000	11500
MVX-9 BF	7/12	32/40	P [kW]/ Ta,o - RH [°C - %]	41,3/17-77	44,8/17,8-76	47,7/18,4-76	50,2/18,9-75	52,4/19,4-74	54,1/19,8-74	54,9/20,1-74
			Qv,w [l/h] / Dp,w [kPa]	7070/13,2	7670/15,2	8180/17,1	8610/18,7	8970/20,1	9270/21,3	9400/21,8
		30/50	P [kW]/ Ta,o - RH [°C - %]	42,8/16,7-83	46,8/17,3-82	50,2/17,9-82	53,3/18,4-81	55,9/18,8-80	58,3/19,2-80	59,3/19,4-80
			Qv,w [l/h] / Dp,w [kPa]	7340/14,1	8010/16,5	8600/18,7	9120/20,7	9580/22,5	9980/24,2	10170/25
		27/50	P [kW]/ Ta,o - RH [°C - %]	31,2/15,9-82	33,7/16,4-82	35,8/16,9-81	37,6/17,3-80	39/17,7-80	40,2/18-80	40,8/18,2-79
			Qv,w [l/h] / Dp,w [kPa]	5350/8,1	5780/9,2	6140/10,3	6440/11,2	6690/12	6890/12,6	6980/12,9

- Twr = Temperature water regime
- Ta,i = Temperature air before the coil
- P = Total power
- Ta,o = Temperature air after the coil
- RH = Relative humidity
- Qv,w = Water flow
- Dp,w = Water pressure loss



Dimensions												
	A [mm]	B [mm]	C [mm]	G [mm]	I [mm]	J [mm]	K [mm]	L [mm]	M [mm]	ØU [mm]	ØW [mm]	[kg]
MVX-BF 4	445	545	445	90	170	125	170	75	75	1/2	1/2	32
MVX-BF 5	545	545	545	95	205	130	175	75	75	3/4	1/2	40
MVX-BF 6	645	645	645	95	230	130	175	75	75	3/4	1/2	55
MVX-BF 7	745	745	745	95	205	130	175	75	75	1	1/2	77
MVX-BF 8	845	845	970	105	240	140	185	75	75	1"1/2	1/2	107
MVX-BF 9	945	945	1170	105	215	140	190	75	75	2	1/2	140